

Active Recombinant Human VCL protein, His-tagged

Cat. No. VCL-1871H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VCL protein(Pro 2 - Gln 1066), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Pro 2 - Gln 1066
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human Vinculin, His Tag at 1 µg/mL (100 µL/well) can bind Vinculin Antibody with a linear range of 0.2-16 ng/mL.
Molecular Mass	The protein has a calculated MW of 118.5 kDa. The protein migrates as 130-145 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at:

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-20°C to -70°C for 12 months in lyophilized state;
-70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	VCL vinculin [Homo sapiens]
Official Symbol	VCL
Synonyms	VCL; vinculin; metavinculin; MVCL; CMD1W; CMH15;
Gene ID	7414
mRNA Refseq	NM_003373
Protein Refseq	NP_003364
MIM	193065
UniProt ID	P18206

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